

# Wirecast Gear 3

Product Sheet



## Wirecast Gear 3

The most powerful, fully-integrated 4K streaming device in its price range.

### Wirecast Gear Family

Wirecast Gear 3 is a family of turnkey live video streaming and broadcast production appliances. Fully integrated into a single device, Gear 3 provides plug-in-and-go live-streaming and video production for up to five HD or 4K SDI, or four HDMI, sources. Live sports, news broadcasting, worship streaming, and live/virtual event production is now available in one ready-to-go, convenient, rack-mountable unit.

Every Gear 3 unit comes with an ultra-fast AMD Ryzen six-core processor, NVIDIA Quadro GPU for acceleration and encoding, Wirecast Pro software with Stock Media Library for video production and switching, and Switch Player to inspect and monitor the quality of your content. Built as a flexible Windows machine, Gear also supports common applications such as Microsoft Teams, Zoom, Adobe Creative Cloud, and more as the most comprehensive, configurable, and professional hardware appliance in its class. Elevate event production with ease and without stress when you take advantage of our top-of-the-line Wirecast GearCare support.

### Key Features

Product Features	Wirecast Gear 3 HD HDMI	Wirecast Gear 3 HD SDI	Wirecast Gear 3 4K HDMI	Wirecast Gear 3 4K SDI
AMD Ryzen 5 6-core/12-thread processor	√	√	√	√
NVIDIA Quadro GPU for acceleration and encoding	√	√	√	√
System Memory	16GB	16GB	16GB	16GB
2RU form factor with 12"/30cm depth	√	√	√	√
HDMI RGB 4:4:4 or YUV 4:2:2 inputs	4x1080p60		4x4Kp60	
SDI YUV 4:2:2 inputs		4x1080p60	1x1080p60	4x4Kp60 + 1x1080p60
SDI YUV 4:2:2 monitor output		optional 1x1080p60*	1x1080p60	1x1080p60 + optional 1x4Kp60*
NDI input/output	√	√	√	√
Mini DisplayPort 1.4 outputs with latching connectors	3	3	4	4
Audio	2-ch Line In/Out, Mic In/Out & Front Line Out + Mic In + Surround (surround not supported in Wirecast)			
USB 3.1	9 total, incl. rear USB-C + dual front-mounted USB-A			
Gigabit Ethernet	2 xRJ-45 IEEE 802.3ab			
SSD System Drive	250GB NVMe M.2			
SSD Storage Drive	1TB SATA3			
Telestream Wirecast Pro live production software & Stock Media Library	√	√	√	√
Telestream Switch Player media player	√	√	√	√
Microsoft Windows 10 IoT Enterprise LTSC 2021	√	√	√	√
One-year Telestream Warranty	√	√	√	√

\* Requires reassignment of one full-resolution input





Wirecast  
Gear 3 HD HDMI



Wirecast  
Gear 3 HD SDI



Wirecast  
Gear 3 4K HDMI



Wirecast  
Gear 3 4K SDI



## Technical Specifications:

### Hardware

#### Internal Configuration (all models):

- CPU: AMD Ryzen 5 5600X 6-core/12-thread 4.6GHz (max)
- Motherboard Chipset: AMD X570
- GPU: NVIDIA Quadro T400 (HD models) / T1000 (4K models)
- Memory: 16GB DDR4-3200
- System Drive: 250GB NVMe M.2
- Storage Drive: 1TB SATA3
- USB: USB 3.1 Gen 2 (1xUSB-C rear + 4xUSB-A rear), USB 3.1 Gen 1 (2xUSB-A front, 2xUSB-A rear)
- Network: 2xRJ-45 IEEE 802.3ab Gigabit Ethernet
- Audio: 2-ch Line In/Out, Mic In/Out + Front Line Out / Mic In + Ls/Rs/Lb/Rb/C/S
- User Input: Microsoft Wireless Keyboard/Mouse
- Accessories: 6'/183cm IEC 60320 C-14 3-pin cable (grounded plug determined by area of sale), Mini DisplayPort to DisplayPort adapter

#### Video Inputs and Outputs (by model):

- Display Output –
  - Wirecast Gear 3 HD HDMI: 3x Mini DisplayPort 1.4 1920x1080 @ 60Hz max
  - Wirecast Gear 3 HD SDI: 3x Mini DisplayPort 1.4 1920x1080 @ 60Hz max (Can assign one input instead to 3G-SDI SMPTE 422M, 1920x1080 @ 60Hz max)
  - Wirecast Gear 3 4K HDMI: 4x Mini DisplayPort 1.4 3840x2160 @ 60Hz max + 1x 3G-SDI SMPTE 422M, 1920x1080 @ 60Hz max

- Wirecast Gear 3 4K SDI: 4x Mini DisplayPort 1.4 3840x2160 @ 60Hz max (Can assign one input instead to 12G-SDI SMPTE ST2082, 3840x2160 @ 60Hz max)
  - \* Higher display port resolutions may be possible with reduced performance.
- Capture Input –
  - Wirecast Gear 3 HD HDMI: 4x HDMI 1.4a (non-HDCP) 1920x1080 @ 60Hz 4:4:4 max
  - Wirecast Gear 3 HD SDI: 4x 3G-SDI SMPTE 424M 1920x1080 @ 60Hz 4:2:2 max
  - Wirecast Gear 3 4K HDMI: 4x HDMI 2.0b (non-HDCP) 3840x2160 @ 60Hz 4:4:4 max
  - Wirecast Gear 3 4K SDI: 4x 12G-SDI SMPTE ST 2082 3840x2160 @ 60Hz 4:2:2 max

### Physical

- Dimensions: 16.7" x 12" x 3.5" (42.4cm x 30.5cm x 8.9cm), 2RU x19" w/handles
- Weight: 14.5-15.5 lb. (unit only)

### Power

- Input Voltage: 100-240VAC RMS, 50-60Hz
- Input Current: 8A @ 115VAC 60Hz RMS, 4A @ 230VAC 50Hz RMS, Single Phase
- Input Connection: IEC 60320 C14 3-pin

### Operating Temperature/Humidity

- 32 – 104 F @ 20-80% (operating), -4 – 185 F @ 10-90% (storage)